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PATENT

IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

Minneapolis, Minnesota  
January 2, 2001

Applicant - Spielberg et al                      Group: TBD  
Serial No. - 09/998,348                      Examiner: TBD  
Filed - November 30, 2001                      Atty. Docket No. - H0002128-US  
For - BALL GRID ARRAY PACKAGE

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner For Patents  
Washington, D.C. 20231

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The references listed on the attached form are cited for consideration by the Patent and Trademark Office, but no representation is hereby made that the references are "prior art" within the meaning of 35 U.S.C. 102 or 103. Moreover, the explanation following below is not to be taken as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relative relevance of any portion of a reference is intended.

**EXPLANATION OF DOCUMENTS**

*(Copies of the cited references are enclosed.)*

**U.S. Patents**

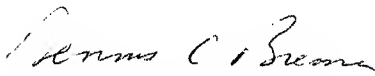
1. Patent # 5,477,933
2. Patent # 5,598,036
3. Patent # 5,783,870
4. Patent # 5,874,776

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**U.S. Patents (Continued)**

- 5. Patent # 5,975,409
- 6. Patent # 5,990,545
- 7. Patent # 6,163,462

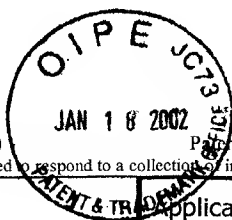
Respectfully submitted,  
Spielberger et al

  
Dennis C. Bremer, Attorney  
Reg. No. 40,528  
Honeywell International Inc.  
101 Columbia Road  
P.O. Box 2245  
Morristown, NJ 07962-2245

Enclosures - 7 United States Patents

Telephone: 612/951-6145

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission **5** +Ref.

Application Number	09/998,348
Filing Date	November 30, 2001
First Named Inventor	Spielberger et al
Group Art Unit	TBD
Examiner Name	TBD
Docket Number	H0002128-US

### ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
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- ☐ After Final
- ☐ Extension of Time Request
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- ☐ Response to Missing Parts/
- ☐ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

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Form PTO1449 and cited references (7 U.S. Patents)

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name  
Dennis C. Bremer

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*Dennis C. Bremer*

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